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delete lines 19-23 in their entirety.

Page 3, delete lines 1-11 in their entirety.

Page 4, above line 5, insert:

--SUMMARY OF THE INVENTION--;

line 10, after "antenna" insert --,-- (comma);

line 18, change "store whose" to --store, which

code does not produce a breakthrough--;

line 19, change "characteristics are suitable  
for" to --within--; and

line 22, after "code," insert --e.g.,--.

Page 5, line 3, delete "now"; and after "described"  
insert --below--;

line 4, after "drawings" insert --.-- (period);

line 5, change "in which:--" to:

--BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a schematic block diagram of a known continuous wave ranging system.

Figure 2 shows the data for the system of Figure 1.--;

line 6, change "view" to --block diagram--;

line 7, change "invention, and" to  
--invention.--;

line 8, after "illustrate" insert --,--  
(comma);

line 9, after "form" insert --,-- (comma);

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line 10, after "system" insert --of Figure

3--;

above line 11, please insert:

--DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

3

The system shown in Figure 3 uses the same reference numerals as in Figure 1 for corresponding portions of the system. The system shown in Figure 3 differs from that in Figure 1 in respect to the correlation system utilized. In this system, the received signal is correlated with the transmitted code provided with a selected phase shift in delay 9 corresponding to the range being tested. However, the system also includes a store 12 containing a plurality of different pseudo random codes, A, B, C and a selector 13 which supplies a suitable code A, B or C from the store 12 to the modulator 2 and to the delay 9, and hence to the correlator 8. The suitable code is selected on the basis of the sidelobe characteristics to be switchable for the range being tested and the selector 12 and delay 9 are both controlled by a controller 14.--;

line 11, after "show" insert --,-- (comma);

line 12, after "form" insert --,-- (comma); and

line 14, after "codes" insert --A, B and C

respectively--.

Page 6, line 16, delete "under".

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